Sima XL-72 Theater

Inflatable Indoor/Outdoor Projection Screen

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Introduction

Congratulations on purchasing the XL-72 Theater by Sima Products. Please read this instruction manual carefully before installing your inflatable screen. When used properly according to this manual it will provide hours of entertainment for you and your family.

General Information and Warnings

- Do not over inflate. Use only the supplied air pump as directed. Never use an air compressor.
- This screen is not a flotation device, do not use in any type of pool.
- To avoid danger of suffocation, keep children away from the screen when inflating and deflating. Do not let children sit or play on the screen. Always deflate and store screen immediately after use. Adult super vision is required.
- Do not use screen during high winds in excess of 15 mph or threat of lightning.
- Do not smoke near the screen. Keep away from fire.
- Do not use sharp objects in any manner around the XL-72 Theater.
- Do not climb or sit on inflated surfaces.
- Clean only with mild soap and water. Do not use harsh chemicals.

Sima Products has researched all regulations regarding the use of this XL-72 Theater. We have not found any regulations related to the use of our screen; however we will not be responsible if some other regulations apply to this product in the country you intend to operate the system. It is the users responsibility to be aware of such regulations and obey them. Sima Products will not accept any responsibility for failure to meet local regulations.

Model	**XL-72**
Size Inflated	**69" x 32" x 70" (with pontoons)**
	69" x 32" x 54.5" (without pontoons)
Weight (approximate)	**28 lbs.**

List of Materials:

Your package should include the following materials:

Inflatable Frame
72" White PVC Screen
16" Extra set of detachable pontoons
1 Air pump (inflator / deflator) Part # 52472

Select A Setup Site

- Select a site that has the necessary height clearance for the screen and enough room for your projector to properly focus and size the projected image. The screen will stand nearly 63 inches in height. Allow approximately 6 to 8 feet in front (or behind for rear-projection) of the screen to adjust the projector.

- Be sure there are no sharp objects lying on the surface that might puncture or tear the screen.

- Check to be sure that a 110V/120V AC wall outlet is within reach to plug in the air pump. Use a properly grounded GFI outlet if using the product outdoors.

- Unpack the screen at the location in which it will be inflated.

Unpacking the Screen

1. Remove all the items from box. Don't cut the boxes too deep, as this may damage the screen. **(FIG 1)**

FIG 1

Inflating the screen

1. Remove the frame from the package. Unroll the screen as shown at right. Be sure both bases are facing the correct way. (Both air valves should be facing the same direction.) **(FIG. 2)**

FIG 2

2. Plug the AC air pump into an AC power outlet.

NOTE:

POWER SUPPLY MUST BE 120V AC, 60 Hz. USE A PROPERLY GROUNDED GFI OUTLET IF USING THE PRODUCT OUTDOORS

3. Locate the air inlet/outlet valves. You will notice that each valve on each base has two layers of seals that cut off the airflow. The outer seal is a threaded cap that screws into place. **(FIG. 3)**

FIG 3

4. The inner seal is a rubber check valve designed to hold in air when a certain amount of pressure is applied. **(FIG. 4)**

FIG 4

5. Attach the inflate end of the AC pump nozzle to one of the air valves on the frame by pushing the end firmly into the inflation port. Be sure to close the unused valve so it doesn't leak air while inflating the screen. **(FIG. 5)**

NOTE:

THE PUMP ATTACHMENTS SHOULD NOT BE USED WITH THIS MODEL

FIG. 5

6. Turn the pump to the "on" position. (On Switch is located on the face of the pump).

NOTE:

THE FRAME SHOULD NOT TAKE MORE THAN 5 MINUTES TO INFLATE. MAKE SURE THE PUMP ISN'T IN USE FOR MORE THEN 10 MINUTES. IT CAN OVERHEAT!

WARNINGS:

- **Never attempt to disassemble or close the openings while pump is operating.**
- **Never leave pump unattended while in use.**
- **Never allow sand, small rocks etc… to be sucked into the inflation or deflation port while operating.**
- **Do not use under wet conditions – keep away from water**
- **Never look into or point the inflate port toward your eyes while pump is operating.**
- **The power supply cord cannot be replaced. If the cord is damaged, contact Sima customer Service for a replacement pump.**
- **Keep away from children**
- **When used outdoors or near water, use a properly grounded GFI outlet.**

7. As the frame fills with air, be sure it is clear of any nearby objects. Guide the frame up as it fills with air, helping to unfold and expand it. It should take approximately 5 minutes for the screen to inflate. **(See Photos Below)**

8. You are now ready to attach the screen using the Velcro patches. Please see instructions for attaching the screen to the frame further on in the instruction manual.

Note: When Using the Screen Outdoors

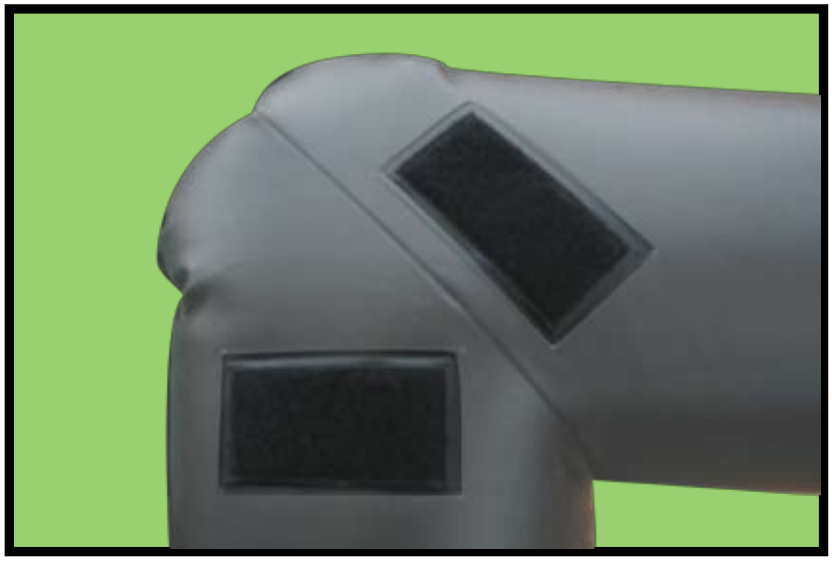
- **The dark colored material from which the Inflatable Theater Frame is construction tends to absorb the heat from the sun, which causes the air inside the frame to warm up and expand if the screen is used on a sunny day. If the frame is left out overnight, the air inside the frame will cool and contract, which may cause the frame to sag slightly. The sagging is not due to the frame losing air, and can be corrected by "topping off" the frame with air prior to use.**

- **It is recommended to keep the supplied air pump on hand to add additional air when using the XL-72 Theater during an all day event.**

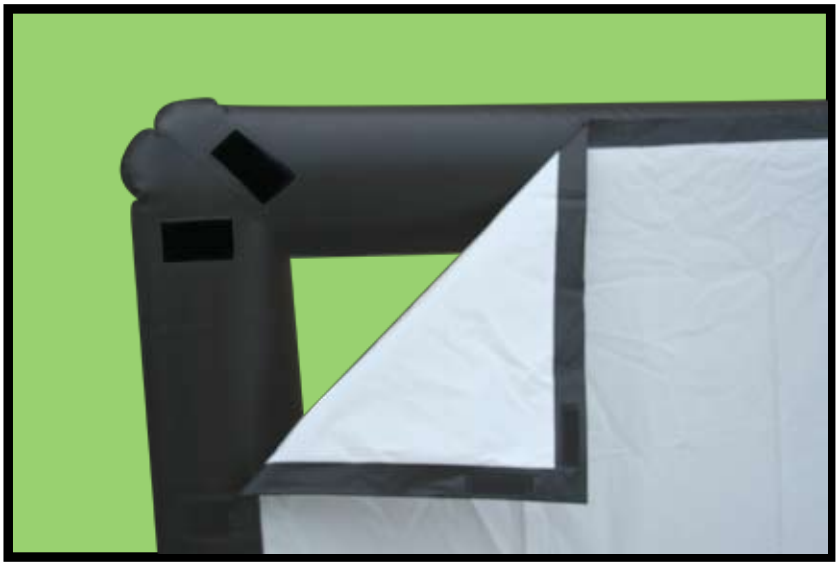
- **Be sure to deflate frame and store after usage.**

Screen Installation

Velcro patches are located at each corner and around the perimeter of the screen frame. The screen also has a series of Velcro patches for easy attachment.



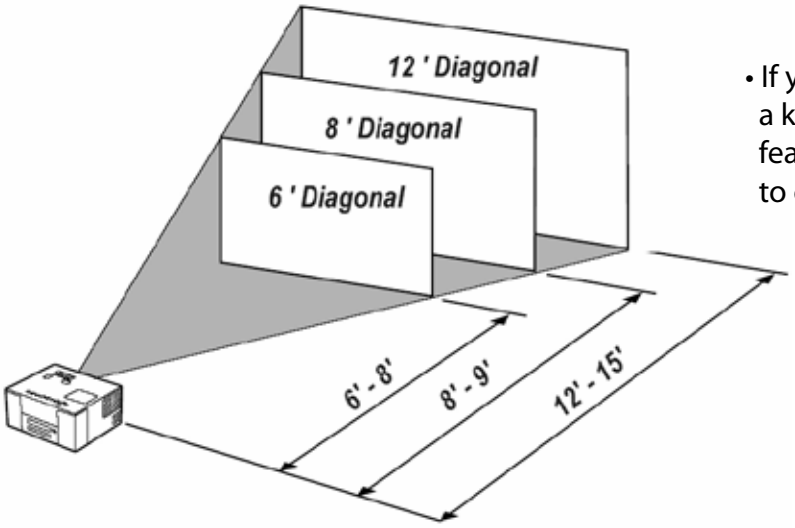
Starting with a top corner attach the screen using the Velcro patches. Continue to attach the screen across the top of the (inflated) frame, pulling it taut. Continue to attach each of the sides, again pulling the screen taut between each Velcro connection. Smooth the screen and attach the bottom Velcro patches.



Setting up the Inflatable Home Theater for Front and Rear Projection

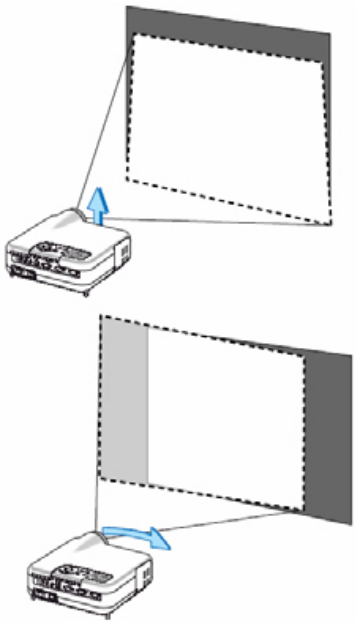
Projector Distance

- Typically, set up the projector a distance (1x – 1.5x) the diagonal from the screen.
- In general, for a 16:9 screen ratio use 1.15x the diagonal for projector distance. For 4:3 screen use 1.25x.
- Follow the projector manufacturer's instructions.



Projector Angle

- Attempt to position the projector so that it is parallel to the inflatable screen.
- Care should be taken so that the projector is aligned both horizontally and vertically to the front of the inflatable screen.



- If your projector has a keystone adjustment feature, this may be used to correct for the angle

Securing the screen and filling the water ballasts

Inflate the spare set of pontoons using the include pump.

The spare pontoons contain water ballasts to weight and secure the inflated screen.

Locate the clear plastic water intake cap. (Note: the air intake valve has a black threaded cap, the water intake is clear plastic) **(FIG. 7**)

Carefully pour (suggest using a funnel) the water into the ballast. Standard tap water can be used. **(FIG 8)**

Each ballast holds approximately 2 Gallons of water. (Fill to 1 gallon recomended)

Make certain the cap is securely closed when finished.

FIG. 7

FIG. 8

The spare pontoons are easily attached to the screen frame pontoons using the provided straps

Screen Deflation and Repacking

It is recommended to remove the screen from the frame before packing to prevent damage and creases in the screen.

1. When storing, remove the screen prior to deflating the frame, fold and roll it back onto the tube for storage. (FIG. 9)

2. To deflate the frame, uncap one of the air valves from either base. (FIG. 10)

3. Press in on the inner check valve. After 20 seconds the seal should lock into place. This will allow you to squeeze most of the air out prior to hooking up the pump. (FIG. 11)

4. Squeeze the air out of the frame until it's deflated to ground level. (FIG. 12)

5. Attach the Deflate end of the AC pump to the air valve on either base. *

6. Turn the pump to the "on" position for the next few steps.

7. Layout the frame as shown in figure 12

8. Fold each base in half. Now begin to roll the frame from one base down to the next base. (FIG. 13)

9. Turn the pump off after screen is rolled up for storage

10. Unplug & remove the pump from the frame. Pack the pump up for storage.

* NOTE:

THE PUMP CAN BE USED INTERMITTENTLY AS YOU DEFLATE AND PACK UP THE FRAME. FEEL FREE TO USE IT WHEN NECESSARY TO DEFLATE ANY AIR AS NEEDED THROUGHOUT THE ENTIRE DEFLATION / REPACKING PROCESS.

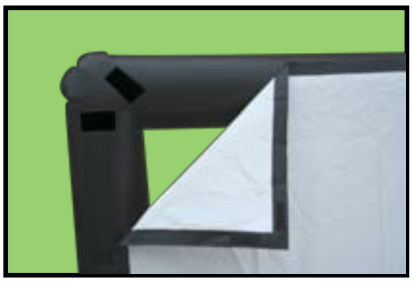


FIG. 9

FIG. 10

FIG. 11

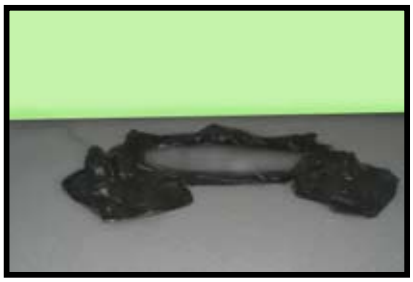


FIG. 12

FIG. 13

Troubleshooting Guide

PROBLEM	SOLUTION
Wrinkles & Creases in the screen Note: Some wrinkles are normal and will not affect the viewing image. The Frame is deflating over time Note: If the frame is left inflated overnight during a moderate temperature change the frame will show a loss of air pressure. Be sure to deflate frame and store after usage.	1. Remove the screen prior to deflating and roll it back up for storage. 2. Setup the screen and frame in a warm environment (Sunlight) to remove the wrinkles from the screen. 1. Be sure to remove the air pump hose after inflating. Air can leak back through the pump if not removed. 2. Check the inner rubber air valves are seated properly prior to closing outer threaded cap. 3. Listen for air holes in the frame around the seams. You may use mild soap and water to locate the leak.
Video is not bright enough on the screen	1. Use a projector with enough lumens to better view your video for certain indoor / outdoor conditions.
Part of the picture is missing viewing in the rear projection position.	1. Place the projector on a stand so its height is centered in the screen.

Specifications sheet

Inflatable Frame Descriptions

• Inflates in under 5 minutes with pump
• Velcro attachment areas

Standard Screen Descriptions

• 16'x9' HD Wide screen, 4x3 format compatible
• Compatible with all types of projectors
• Front and rear projection capable
• Hi-Definition, bright white vinyl material
• Velcro patches for attaching to frame

Other Accessories Included

• (1) Air Inflator/Deflator (UL Listed) with Hose – 120v AC
• (1) Set of additional height adjustment pontoons

Technical Specifications

• **Frame Materia**l - 0.4mm PVC
• **Screen Material** - .15mm PVC
• **Product Dimensions -** 69" x 32" x 70" (with pontoons) 69" x 32" x 54.5" (without pontoons)
• **Shipping Weights -** 28 lbs.
• **Air pump** - 120v AC UL Listed Inflator/Deflator

90 Day Limited Warranty
Sima Products Corporation

Sima Products Corp. ("Sima") warrants that if the accompanying product proves to be defective to the original purchaser in material or workmanship within 90 days from the original retail purchase, Sima will, at Sima's option, either repair or replace same without charge (but no cash refund will be made).

What you must do to enforce Warranty:

You must deliver, mail or ship the product, together with both the original bill of sale and this limited Warranty statement as proof of warranty coverage to:

Sima Products Corp.
Attn: Customer Service
140 Pennsylvania Ave.
Bldg. #5
Oakmont, PA 15139

Phone: 412. 828.3700

It is recommended that you call Sima at the number listed above to obtain a return authorization number.

Limitation of Liability and Remedies

Sima shall have no liability for any damages due to lost profits, loss of use or anticipated benefits, or other incidental, consequential, special or punitive damages arising from the use of, or the inability to use, this product, whether arising out of contract, negligence, tort or under any warranty, even if Sima has been advised of the possibility of such damages. Sima's liability for damages in no event shall exceed the amount paid for this product. Sima neither assumes nor authorizes anyone to assume for it any other liabilities.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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